

Ravindu Sulakkana

Data Science Undergraduate

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About me

As an ambitious Data Science undergraduate at SLIIT with a CGPA of 3.32, I am dedicated to continuous learning and thrive on exploring cutting-edge technologies. My primary focus is on AI/ML development, and I am committed to staying abreast of industry advancement. Demonstrating the ability to adapt swiftly to dynamic environment, I take a proactive approach to embracing change and contribute effectively to Data Science projects.

Education

Sri Lanka Institute of Information Technology

BSc (Hons) in Information Technology (specializing in Data Science) June.2021 - present.

- Course Work: Machine Learning and Optimization Method, Information Retrieval and Web Analytics, Cloud Computing and Massive Data processing, Fundamental of Data mining, Probability & Statistics, Database Management System, Mobile Application Development, Data Structure and Algorithm, Computer Network

D.S Senanayake College – Colombo 07

Jan.2012 – Nov.2020

GCE Advance Level (Physical Science Stream - 2020)

- Physics: B
- Chemistry: C
- Combined Mathematics: C

GCE Ordinary Level (2017)

- 9 A's

Technical Skills

Programming Languages	Python, R, Java, JavaScript, Kotlin, PHP
Libraries/Framework	NumPy, Pandas, TensorFlow, Flask, React.js, PyTorch(learning), Matplotlib, Hadoop, Keras
Databases	SQL, MySQL, Firebase, MongoDB
Others	Azure, Postman, GitHub, Google Colab PowerBI(learning)

Soft Skills

- Analytical Thinking
- Teamwork
- Adaptability
- Communicational Skill
- Problem Solving

Personal Projects

ChatGPT Mobile app

Before Open AI introduce mobile app version, I developed a personalized ChatGPT mobile app for my individual projects, leveraging the Open Ai API key. The app features a streamlined user interface, providing a seamless and intuitive experience. Its simplicity belies powerful capabilities, allowing for efficient interaction with the ChatGPT model.

Tools and Technologies: [Open AI API](#), [Java](#), [Android Studio](#)

Sprinkles Bakery

Developed this mobile application tailored for a bakery, designed to cater to diverse user needs. I facilitate administrators in efficiently managing backend intricacies related to bakery product and user will be able to view them and place orders.

Tools and Technologies: [Java](#), [Firebase](#), [Android Studio](#)

Academic Projects

HR Analytics [Visit site](#) [Visit github repository](#)

As a part of FDM module project, we focused on recruiting data scientists. Our aim was to measure trainees' commitment to long-term employment after our training courses. This has a strategic impact on cost, efficiency, program quality and candidate classification.

My contribution: Significantly contributed to the project through expert execution of data preprocessing task, handling of missing values, data cleaning and effective management of categorical and imbalanced data. Developed decision tree and random forest model for accurate predictions, showcasing strong analytic skill set.

Tools and Technologies: [Decision tree](#), [Random Forest](#), [SVM](#), [Logistic Regression](#), [Flask](#), [React.js](#)
[Google Colab](#)

HappyBot [Demo video](#) [Visit github repository.](#)

Developed HappyBot, an AI chatbot for Powerhouse solution, helping users learn about products easily and improving overall user experience and efficiency.

My contribution: Developed an intents files comprising intents, patterns, and responses to train a sophisticated neural network model. Applied text processing techniques to refine patterns for optimal input into the network. Constructed a five layered ANN designed to adeptly learn intricate patterns within input data and effectively map them specific intent.

Tools and Technologies: [Artificial Neural Network](#), [Flask](#), [React.js](#), [MongoDB](#)

Dream Fitness [Demo video.](#) [Visit github repository](#)

The Dream Fitness web application is an all-encompassing fitness tool that provides users with a diverse array of feature, empowering them to successfully accomplish their fitness object. This system includes

sophisticated user management system, workout scheduler, an extensive exercise library, an intuitive diet planner, a robust progress tracker and a reliable feedback/notification system.

My contribution: Innovated a robust progress tracking function central to user experience, integrating weight metrics and exercises duration input. The system precisely computes total calories burnt during the workout, presenting users with an illustrative graph showcasing their weight changes and cumulative calorie expenditure.

Tools and Technologies: [React.js](#), [Node.js](#), [Express.js](#), [MongoDB](#), [Visual Studio](#)

Spendee [Visit github repository](#)

Developed a user-friendly mobile app for streamlined personal finance management, aiding users in tracking expenses, incoming, bills and loans during economic challenges. Designed to empower individuals with a simplified budgeting solution.

My contribution: I designed and implemented a loan management function, providing a structured system for recording essential loan detail such as loan amount, initiation date, and total repayment amount.

Tools and Technologies: [Kotlin](#), [Android Studio](#), [Firebase](#)

Vehicle rental system [Visit github repository.](#)

For our 2nd year 1 semester project, we successfully designed and implemented an online vehicle rental system. This platform facilitates a seamless process for customers to easily rent vehicles, allowing vehicle owners to list their vehicles for rental, providing them with an opportunity to earn additional income. In addition to this, we incorporated a feature that enables drivers to register within the system, making them available for hire by customer seeking professional driving services.

Tools and Technologies: [JSP](#), [Servlet](#), [CSS](#), [Bootstrap](#), [Java Script](#), [My SQL](#)

Infinity

Infinity web site, where advertising meets excellence online. Our elite platform ensures an optimal user experience, allowing users to effortlessly post ads, explore customized packages, and provide invaluable feedback. Beyond simplification, infinity elevates company efficiency, offering a holistic approach to meet your advertising needs.

Tools and Technologies: [HTML](#), [CSS](#), [JavaScript](#), [PHP](#), [MySQL](#)

Online Certificates ---

Introduction to Data Science	Cisco	2023
Python Essentials 1	Cisco	2023
Postman Fundamentals Student Expert	Postman	2023
Natural Language Processing in TensorFlow	Deep Learning.AI	2023
Neural Networks and Deep Learning	Deep Learning.AI	2023
Python (Basic)	HackerRank	2023